Translation





PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference P27120/WO Kf	FOR FURTHER ACTION	See Form PCT/IPEA/416
International application No.	International filing date (day/month/ye	
PCT/EP2003/012248	03 November 2003 (03.11.20)	03) 05 November 2002 (05.11.2002)
International Patent Classification (IPC) or n F04B 1/20	ational classification and IPC	
Applicant		
	JENINGHAUS HYDROMATIK	K GMBH
This report is the international prelin	ninary examination report, established b	y this International Preliminary Examining
	mitted to the applicant according to Art	
2. This REPORT consists of a total of	5 sheets, including this c	over sheet
3. This report is also accompanied by A		over sheet.
	to the International Bureau) a total of _	sheets, as follows:
	-	
sheets of the description and/or sheets contained Administrative In:	taining rectifications authorized by this	ave been amended and are the basis of this report Authority (see Rule 70.16 and Section 607 of the
beyond the disclo	sure in the international application as	thority considers contain an amendment that goes filed, as indicated in item 4 of Box No. I and the
Supplemental Box		
	, containing a sequence dicated in the Supplemental Box Related	te type and number of electronic carrier(s)) listing and/or tables related thereto, in computer ting to Sequence Listing (see Section 802 of the
This report contains indications relat		
Box No. I Basis of the re	port	
Box No. II Priority		
Box No. III Non-establish	ment of opinion with regard to novelty,	inventive step and industrial applicability
Box No. IV Lack of unity of	of invention	
Box No. V Reasoned state	ement under Article 35(2) with regard to	novelty, inventive step or industrial applicability;
Box No. VI Certain docum	xplanations supporting such statement ents cited	
Box No. VII Certain defects	s in the international application	
г¬	ations on the international application	
Date of submission of the demand	Date of comple	tion of this report
19 April 2004 (19.04.2	004)	9 November 2004 (09.11.2004)
Name and mailing address of the IPEA/EP	Authorized off	icer
Facsimile No.	Telephone No.	

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

ternational application No.

PCT/EP2003/012248

Box No.	I	Basis of the report	
1. With other	regard wise in	to the language, this report is based on the international application in the landicated under this item.	nguage in which it was filed, unless
		report is based on translations from the original language into the followin h is language of a translation furnished for the purpose of:	g language,
		international search (under Rules 12.3 and 23.1(b))	
		publication of the international application (under Rule 12.4)	
		international preliminary examination (under Rules 55.2 and/or 55.3)	
furnis	shed to re not	to the elements of the international application, this report is based on the receiving Office in response to an invitation under Article 14 are referred annexed to this report):	(replacement sheets which have been ed to in this report as "originally filed"
		nternational application as originally filed/furnished	
		escription:	
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	a segi	ence listing and/or any related table(s) – see Supplemental Box Relating to So	equence Licting
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3.	Thea	mendments have resulted in the cancellation of:	
] 3. []	I II C a		
Ì	님	the description, pages	
	님	the claims, Nos.	
	\square	the drawings, sheets/figs	
	닏	the sequence listing (specify):	
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4.	made,	report has been established as if (some of) the amendments annexed to this since they have been considered to go beyond the disclosure as filed, as 70.2(c)).	report and listed below had not been s indicated in the Supplemental Box
	\vdash	the description, pages	
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1	\square	the drawings, sheets/figs	
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	Ш	any table(s) related to sequence listing (specify):	
* If iten	n 4 apį	olies, some or all of those sheets may be marked "superseded."	

Statement			
Novelty (N)	Claims	1-14	YES
	Claims		NO
Inventive step (IS)	Claims	1-14	YES
	Claims		NO
Industrial applicability (IA)	Claims	1-14	YES
	Claims		NO

Reference is made to the following document:

D1: DE 43 40 061 A.

Document D1, which is considered the closest prior 1. art, discloses a control plate for an axial piston machine according to the preamble of claim 1.

The features of the characterizing part of claim 1 are novel and consequently claim 1 meets the requirements for novelty of PCT Article 33(2).

The control plate according to claim 1 differs from 2. that of document D1 in that the radially inner edge (47) of the control plate (20) is in the form of a centering surface (29) which centres the control plate (20) on a centering body (7) situated on the housing side, and in that the centering surface (29) consists of several part surfaces (29.1, 29.2, 29.3), which are embodied on segments (43.1, 43.2, 43.3) of the inner edge (47) of the control plate (20) which extend radially inward into the passage (38) and are separated by recesses (36.1, 36.2, 36.3).

The problem to be solved by the invention is that of simplifying the processing of the control plate and reducing component weight. There was no reason for a person skilled in the art to redesign the passage in the control plate of an axial piston machine of the kind in question so as to permit the centering of the control plate along its inner edge.

Consequently, the subject matter of claim 1 involves an inventive step (PCT Article 33(3)).

- 3. Independent claim 8 discloses an axial pistol machine having a control plate according to claim 1. As a result, the subject matter of claim 8 is novel and inventive.
- 4. Claims 2-7 and 9-14 are dependent on claims 1 and 8 and therefore likewise meet the PCT requirements for novelty and inventive step.